

**REPLACEMENT CLAIMS**

18. (amended) A method for therapeutic treatment of neurodegenerative conditions and effects of aging, including autoimmune conditions and fibromyalgia, said method comprising the steps of:

administering to a patient on an ongoing basis a compound effective for increasing neuronal metabolism of histamine to a histamine H<sub>2</sub> agonist, in an amount sufficient that said histamine H<sub>2</sub> agonist is produced in an amount adequate to stimulate and sustain production of cyclic AMP at a level which maintains myelin against undergoing self-degeneration;

the step of administering said compound comprising administering monoamine oxidase-A to said patient so as to increase neuronal metabolism of tele-methylhistamine to an H<sub>2</sub> agonist.

21. (amended) A method for therapeutic treatment of neurodegenerative conditions and effects of aging, including autoimmune conditions and fibromyalgia, said method comprising the steps of:

administering to a patient on an ongoing basis a compound effective for increasing neuronal metabolism of histamine to a histamine H<sub>2</sub> agonist, in an amount sufficient that said histamine H<sub>2</sub> agonist is produced in an amount adequate to stimulate and sustain production of cyclic AMP at a level which maintains myelin against undergoing self-degeneration;

the step of administering said compound comprising administering a monoamine oxidase-A agonist to said patient so as to increase neuronal metabolism of tele-methylhistamine to an H<sub>2</sub> agonist.